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TENNESSEE WEEKLY  
WEATHER AND CROP BULLETIN



Released Weekly April - November

2004 Weather Crop 22                      Issued 3:00 P.M. 08/30/04                      Week Ending August 29, 2004

GOOD WEATHER FOR SOYBEANS AND PASTURES

The State experienced thunderstorms throughout the past week hampering most activities, and limiting days suitable for fieldwork to four. Many farmers welcomed the rain, however, as their crops and pastures were beginning to need moisture. Corn harvest for silage continued in-between showers, on pace with the five-year average. Producers of late planted soybeans gladly accepted the rain, and conditions showed a slight improvement over the week earlier. Soybeans continued to fill pods nicely with some fields approaching the need for insecticide and herbicide spraying. Cotton development lags about a week behind normal, but warm temperatures towards the middle of last week helped conditions improve slightly. Other activities last week included tobacco topping and harvest, corn for grain harvest, cutting hay, and beginning land preparation for seeding fall forages. Temperatures averaged above normal across the State, while rainfall averaged above normal in West Tennessee and slightly below average across the remainder of the State. As of Friday, topsoil moisture levels were rated 8 percent short, 81 percent adequate, and 11 percent surplus. Subsoil moisture levels were rated 15 percent short, 79 percent adequate, and 6 percent surplus.

| CROP PROGRESS: Through August 29, 2004 |           |           |      |                | CONDITION: On August 27, 2004 |           |      |      |      |     |
|--|-----------|-----------|------|----------------|-------------------------------|-----------|------|------|------|-----|
| Crop                                   | This Week | Last Week | 2003 | Five Year Avg. | Item                          | Very Poor | Poor | Fair | Good | Exc |
| Percent                                |           |           |      |                | Percent                       |           |      |      |      |     |
| Corn Mature                            | 58        | 35        | 56   | 61             | Corn                          | 1         | 3    | 11   | 52   | 33  |
| Corn Grain Harvested                   | 6         | n/a       | 9    | 14             | Cotton                        | 0         | 1    | 12   | 60   | 27  |
| Corn Silage Harvested                  | 69        | 55        | 60   | 69             | Soybeans                      | 2         | 5    | 16   | 52   | 25  |
| Cotton - Bolls Opening                 | 15        | 9         | 22   | 34             | Tobacco                       | 2         | 6    | 23   | 52   | 17  |
| Soybeans - Setting Pods                | 95        | 89        | 91   | 90             | Pastures                      | 0         | 6    | 17   | 62   | 15  |
| Soybeans - Dropping Leaves             | 9         | n/a       | 6    | 9              |                               |           |      |      |      |     |
| Tobacco Topped                         | 91        | 89        | 90   | 92             |                               |           |      |      |      |     |
| Burley Tobacco Harvested               | 45        | 36        | 40   | 44             |                               |           |      |      |      |     |
| Air-Cured Tobacco Harvested            | 56        | 41        | 51   | 54             |                               |           |      |      |      |     |
| Fire-Cured Tobacco Harvested           | 45        | 34        | 41   | 50             |                               |           |      |      |      |     |

**CORN:** With over half of the crop mature, farmers were slow to harvest their corn for grain, because of high moisture content. As of Sunday, a little less than one-third of the corn silage acreage remained to be harvested which is on pace with normal. The crop remained in mostly good-to-excellent condition.

**COTTON:** Cotton maturation was slowed due to cool, wet weather early last week. Insect pressure in cotton continued to be light and the crop was rated in mostly good condition.

**SOYBEANS:** The recent rain helped soybeans fill pods and kept the crop in mostly good-to excellent condition. As of Sunday, less than one-tenth of the acreage was dropping leaves, slightly ahead of last year but on pace with the five-year average. Early harvest of Group III beans has begun on a limited basis. Problems with insect and disease pressure were reported in some areas.

**TOBACCO:** Most of the crop has been topped and harvest is well underway. The crop continues to be rated in mostly fair-to-good condition, with only a few problems reported due to disease.

**PASTURES AND HAY:** Pastures remained in mostly good condition. Many farmers were out cutting hay and clipping pastures between showers last week.

| TEMPERATURES AND PRECIPITATION<br>For week ending: August 29 <sup>th</sup> , 2004 (with comparisons) |   |    |     |     |                 |      |                    |                |               |      |
|--|---|----|-----|-----|-----------------|------|--------------------|----------------|---------------|------|
| LOCATION   | TEMPERATURE                                   |    |     |     | PRECIPITATION   |      |                    |                | GDD BASE 60F  |      |
|  | Week Ending<br>August 29 <sup>th</sup> , 2004 |    |     |     | Current<br>Week | Rain | Current            | Departure      | Since April 1 |      |
|  | HI  | LO | AVG | DFN | 8/29/04         | Days | Since<br>January 1 | From<br>Normal |               |      |
| Ames_Plantation  | 94  | 63 | 80  | +5  | 1.30            | 2    | 41.33              | +6.08          | 1960          | -20  |
| Tri-City_RGNL_A  | 88  | 61 | 74  | +2  | 0.00            | 0    | 31.83              | +3.39          | 1487          | +125 |
| Brownsville_TN   | 92  | 68 | 81  | +5  | 5.53            | 4    | 40.69              | +5.39          | 2099          | +341 |
| Chattanooga/Lov  | 90  | 68 | 78  | +1  | 0.49            | 2    | 32.78              | -3.41          | 2039          | +168 |
| Clarksville_Sew  | 93  | 64 | 78  | +4  | 0.50            | 5    | 29.18              | -4.99          | 1904          | +134 |
| Cookeville   | 92  | 62 | 77  | +4  | 0.70            | 3    | 41.26              | +2.55          | 1574          | +460 |
| Covington  | 92  | 63 | 79  | +3  | 3.94            | 3    | 36.85              | +2.51          | 1869          | -153 |
| Crossville_AP  | 84  | 63 | 73  | +3  | 0.44            | 1    | 38.54              | +0.38          | 1405          | +140 |
| Dickson_AG   | 89  | 63 | 75  | +0  | 2.86            | 6    | 43.34              | +6.98          | 1585          | -263 |
| Dover_1W   | 90  | 60 | 77  | +3  | 0.63            | 1    | 30.16              | -5.21          | 1760          | +189 |
| Dyersburg  | 91  | 68 | 80  | +3  | 0.82            | 3    | 26.80              | -6.93          | 2026          | -120 |
| Erwin_1W   | 86  | 62 | 73  | +4  | 0.34            | 2    | 31.76              | -2.90          | 1432          | -189 |
| Huntingdon_Wate  | 90  | 64 | 78  | +3  | 0.94            | 3    | 38.08              | +2.77          | 1879          | +201 |
| Jackson_Exp_Stn  | 89  | 65 | 79  | +3  | 2.14            | 3    | 37.03              | +2.07          | 1993          | +62  |
| Kingston_AG  | 88  | 63 | 74  | +2  | 0.61            | 4    | 37.83              | -2.21          | 1670          | +210 |
| Knoxville_AP   | 89  | 66 | 76  | +2  | 0.69            | 3    | 35.04              | +2.20          | 1864          | +236 |
| Lewisburg  | 92  | 62 | 77  | +3  | 1.80            | 5    | 42.92              | +5.84          | 1787          | +143 |
| Lexington_TN   | 90  | 66 | 78  | +2  | 1.18            | 3    | 38.94              | +4.77          | 1859          | +663 |
| Linden   | 90  | 63 | 76  | +2  | 3.79            | 5    | 38.97              | +1.34          | 1742          | +92  |
| Martin   | 91  | 61 | 78  | +3  | 2.90            | 5    | 31.46              | -4.14          | 1929          | +72  |
| Mc_Minnville_Tn  | 90  | 63 | 77  | +3  | 0.07            | 2    | 38.69              | +2.42          | 1798          | -252 |
| Memphis_AG   | 95  | 65 | 81  | +3  | 1.36            | 3    | 35.70              | +1.10          | 2101          | -289 |
| Milan  | 92  | 61 | 79  | +4  | 1.86            | 4    | 33.72              | -2.60          | 1878          | +66  |
| Murfreesboro_5N  | 91  | 61 | 77  | +3  | 0.20            | 4    | 36.06              | +0.10          | 1801          | -235 |
| Nashville_Metro  | 91  | 65 | 78  | +2  | 0.36            | 3    | 38.58              | +6.21          | 1977          | +40  |
| Newcomb  | 88  | 62 | 74  | +4  | 1.83            | 2    | 37.09              | -0.46          | 1423          | +232 |
| Oneida   | 88  | 60 | 74  | +4  | 1.27            | 3    | 35.09              | -2.46          | 1472          | -267 |
| Pikeville  | 88  | 66 | 76  | +2  | 1.40            | 3    | 34.91              | -1.38          | 1728          | +125 |
| Portland_TN  | 89  | 59 | 76  | +2  | 0.49            | 3    | 41.57              | +6.39          | 1724          | +118 |
| Pulaski_Water_P  | 88  | 61 | 75  | -2  | 4.12            | 4    | 46.83              | +9.84          | 1749          | -185 |
| Savannah_6SW   | 92  | 61 | 76  | -2  | 2.87            | 5    | 48.86              | +10.64         | 1881          | +177 |
| Sparta_TN  | 90  | 62 | 77  | +4  | 0.72            | 2    | 43.64              | +6.19          | 1849          | +461 |
| Springfield  | 90  | 60 | 76  | +3  | 0.99            | 4    | 39.89              | +6.15          | 1738          | +121 |
| Springhill   | 90  | 60 | 77  | +3  | 0.55            | 5    | 41.97              | +4.64          | 1857          | +215 |
| Union_City   | 91  | 61 | 78  | +4  | 4.12            | 5    | 32.76              | -1.96          | 1758          | -46  |
| Waynesboro_TN  | 90  | 59 | 76  | +2  | 3.29            | 6    | 45.82              | +6.62          | 1694          | -173 |

DFN = Departure From Normal (Using 1961-90 Normals Period).    GDD = Growing Degree Days.  
 Precipitation Days = Days with precip of 0.01 inch or more.    Precipitation (rain or melted snow/ice) in inches.  
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The Tennessee Agricultural Statistics Service gratefully acknowledges contributions to this publication by:  
 National Weather Service, and the University of Tennessee’s Extension Service.